Wyse® C class™

Your desktop just got bigger

WYSE

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse C class: **Small size. Big performance. Here.**

Introducing the Wyse C class

Small size. Big performance.

Wyse C class

Meet the Wyse C class. Combining small size and excellent performance, it sets a new benchmark in cloud client computing.

Seven models are available featuring:

Wyse ThinOS™, Microsoft Windows CE, SUSE Linux Enterprise, Microsoft Windows XP Embedded, Windows Embedded Standard 2009 and Windows Embedded Standard 7 operating systems - and Wyse WSM.

Wyse C10LE

Featuring the blisteringly fast Wyse ThinOS designed for high security environments.

Wyse C30LE

Windows CE 6 – Microsoft's componentized real-time operating system for small footprint devices.

Wyse C50LE

Flexibility and security in an easy to manage Linux platform.

Wyse C90LE

Windows XP Embedded - runs thousands of existing Windows applications and drivers.

Wyse C90LEW

Take advantage of the power of Microsoft Windows Embedded Standard 2009.

Wyse C90LE7

Harnesses the rich user experience of Microsoft Windows Embedded Standard 7.

Wyse C00LE

A cloud PC, essentially a diskless PC, that gets its Windows OS and apps from your private cloud, using Wyse WSM, reducing client security and management costs.

Features Wyse C class

Compact. Clever. Capable.

Creating highly productive, fully functional and compact cloud client computing desktops has never been easier. Wyse C class features full support for the Wyse TCX™ Suite of virtualization software - that includes multiple display support, multimedia & Flash playback, rich audio and USB peripheral connectivity - and Wyse WSM™ Cloud PC Provisioning software delivering a full PC experience.

Cool performance. Cooler workspaces.

Designing these levels of high processing and graphics performance into such a compact space hasn't been at the expense of energy consumption and heat emissions either. Each Wyse C class draws under 7 watts of power – creating cooler working environments – in every respect.

Learn more, simply click the Wyse C class feature icons below:

Performance

Connectivity

Mounting options

Green

Thin client Management

Cloud PC Provisioning

User Experience Optimization

User Experience Acceleration

Wyse ThinOS

Microsoft Windows CE

Wyse Enhanced SUSE Linux

Microsoft Windows XP Embedded

Microsoft Windows Embedded Standard 2009

Microsoft Windows Embedded Standard 7

Take a tour of the Wyse C class

Performance

High performance. Inside out.

up to 1080p HD resolution.

Outside, you'll find advanced DVI-I display connectivity for one or two displays, four free USB 2.0 ports, PS/2 ports for keyboard and mouse, gigabit Ethernet and optional WiFi (b/g/n) support. Wyse C class supports the Wyse TCX software suite of user-experience enhancements and Wyse WSM Cloud PC Provisioning software.

VIA C7 1 GHz processor

Plus advanced best performance per watt hardware media accelerator

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User Experience Optimization Wyse TCX™ Suite

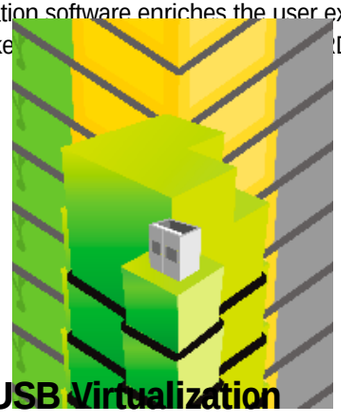
with Collaborative Processing Architecture™

Wyse TCX delivers an amazing user experience in one software suite.

Wyse TCX Suite of virtualization software enriches the user experience by removing the limitations previously associated with thin clients.
es, ke DP by adding key features to make each more valuable.

Multi-display

Ensures application windows and dialog boxes are multi-monitor aware when using more than one monitor.



USB Virtualization

Enables plug and play peripheral support for virtual desktop environments.

s2DIRECTAD SECAB EVCESIN
virtual desktops.

sSPOR TAL ESK KS KEDS
workers with special device access needs.

sMABA AD SETE BERIPHERAS
including webcams and headsets.

Multimedia acceleration

Streamlines the delivery of video and audio content to the local client for a rich user experience within a thin client computing architecture.

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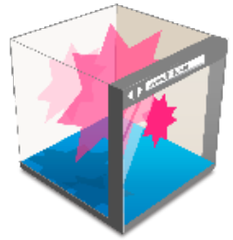
enhances server scalability, and network utilization by off-loading multimedia rendering to the client.



Flash acceleration

Flash acceleration helps thin client users to experience improved Flash video performance. While the Flash player continues to run server-side, the resulting images are transcoded and redirected to the client for fast rendering. The technology allows for greater control of frame rate and compression and supports enhanced playback of YouTube-style flash videos in Internet Explorer.

Bi-directional sound

Enables bi-directional audio in virtual desktop environments, enabling solutions such as
ADICTATI E
recognition to be deployed.

Continue tour

Virtualization Software Wyse Virtual Desktop Accelerator

Removing the barriers of network latency

Wyse Virtual Desktop Accelerator (VDA) enables virtualized desktop and thin computing environments to be deployed to areas where network latency has, to date, presented operational barriers. Now, with Wyse VDA, more users can receive the full benefits of Wyse thin computing – with the best PC experience over virtualized desktops.

Wyse VDA is a software-only solution for Wyse thin clients and supported PCs that delivers the best user experience for the allocated network bandwidth by neutralizing the effects of network latency and packet loss. Making 'thin' suitable for more remote-site, branch, or field-based users.

Wyse VDA works with instead of replacing existing RDP and ICA protocols, accelerating them by up to 20 times on networks faced with latencies up to and beyond 300ms, and at least 768kbps bandwidth.

At a glance features.

- Software-only acceleration of virtual desktops and applications
- Accelerates existing Citrix ICA and Microsoft RDP protocols
- Works on WANs and 'fat, long pipes'
- Accelerates connections to Citrix XenApp, Citrix XenDesktop, VMware View and Microsoft Terminal Server and Microsoft Hyper-V VDI
- Enhances Wyse TCX software suite functionality across wide-area networks
- Enables Wyse Collaborative Processing Architecture across wide-area networks
- Administrator console provides control of maximum bandwidth per connection
- Leverages built-in security of underlying protocols (128-bit encryption for RDP and ICA).

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Operating Systems Wyse ThinOS 7.1

Wyse ThinOS is the most secure, management-free solution for cloud and virtual computing environments with built-in support for the latest infrastructures including Citrix, Microsoft, VMware and other vendors.

Fast. Simple. Secure

This fast, purpose-built thin computing platform boots up in seconds, updates itself automatically, and provides IT managers with simple, scalable administration to suit their organization's needs. Security is assured too as there's no published API – giving you an environment that's immune from malware.

Management is simple with time consuming tasks such as software and configuration updates automated via central file servers (ftp, http, and https) where Wyse thin clients can check-in for their updates. So, whether you have 10, 100 ...or 1000 devices, rolling out a new update is as easy as dropping a file onto your file server.

New Zero Launchpad optimizes Virtual Desktop Deployments

By harnessing the power of the new Wyse Zero engine, Wyse ThinOS delivers fast and secure desktops with user experiences based an individual's access levels.

Logging on is fast and easy too with no double desktop dramas. There's just one screen for inputting their credentials before users are immediately presented with their assigned desktop(s).

Finally, the new Wyse Zero toolbar gives advanced users the option to switch between multiple virtual desktops or modify local settings (i.e. display resolution)– all without leaving their virtual desktop environment.

Innovative, user-oriented and productive features:

Wyse ThinOS™

Instant-on, simple access for users

- New Zero launchpad and Zero toolbar adapt to provide simple and advanced access depending on user privileges.
- With class-leading boot-up times, users are ready to login in seconds.

Automated Management

- Wyse ThinOS enables simple, scalable device management from day one without the need for basic management software.
- For more in depth management Wyse ThinOS features complete integration with Wyse Device Manager.

Security

- Featuring an unpublished API and no file system, Wyse ThinOS is inherently secure providing maximum security from malware and viruses.
- Secure remote access using Citrix Access Gateway (CSG mode) or VMware Security Server, including dual factor authentication with RSA SecureID.

Best HDX and RDP in a non-windows client

- Support for latest HDX features including ICA UDP Audio, multimedia playback, USB webcam remoting, new audio codecs for VoIP, dual factor authentication, etc.
- Wyse is the only vendor with an RDP 7.1 compatible client on non-windows OS - other vendors use RDESKTOP (based on RDP 6.x)
- ICA and RDP performance outperforms other non-windows clients by 3x (on comparable hardware).
- Enhance existing protocols further with Wyse TCX (i.e. Multicasting, high latency support, USB on terminal server, etc)

Continue tour

Operating Systems Microsoft Windows CE

Microsoft Windows CE gives you a PC-like experience on the desktop, with local terminal emulation so you can run most legacy applications.

By combining this small and fast operating system with firmware components, Wyse is able to reduce boot times and increase protection against viruses, trojan horses, and other malware.

The result is a simply more secure solution that provides the flexibility to add standard peripherals, from printers to scanners to USB thumb drives. However these peripherals can only be connected under access controlled by the IT administrator.

Small, fast and secure.

Wyse-enhanced Microsoft Windows CE is ideal for departments and organizations that want a Microsoft end-to-end solution, and support for Citrix ICA, Microsoft RDP, VMware View, Ericom PowerTerm WebConnect, Ericom PowerTerm InterConnect Terminal Emulation as well as a local browser, plus standard connections to peripherals and add-ons.

Microsoft Windows CE

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Operating Systems Wyse Enhanced SUSE Linux platform

Wyse Enhanced SUSE Linux Enterprise is a simple, secure, and easy to manage platform designed for customers looking for flexibility and support of the latest protocols (ICA, PCoIP, RDP, etc) without the need for a Windows-based thin client.

Simple “Hands-Off” Management.

Deploying, managing, and updating Wyse Enhanced SUSE Linux is easier than any other Thin-Linux distribution, Period. Utilizing Wyse’s proven automatic update and configuration approach, management tasks can be handled centrally and easily without any management software required.

Updating 1 or 1,000 thin clients is as simple as dragging and dropping a file into a folder. For customers that desire a little more hands-on approach (such as asset tracking, reporting, etc) then integration with Wyse Device Manager is built-in.

Security

Wyse Enhanced SUSE Linux is designed with security in mind. IT Managers are able to provide a locked-down experience, smartcard login to virtual environments, VPN connectivity, and leverage a read-only file system that protects against data loss, theft and virus attacks.

Enterprise-quality Linux optimized by Wyse

Wyse enhanced SUSE Linux is the only enterprise-quality Linux platform optimized for thin computing, created by combining the security and flexibility of SUSE Linux with Wyse’s cloud client computing leadership and innovation in user experience and simplified management. Additionally, SUSE Linux Enterprise is the only Linux platform to protect customers from potential IP infringement suits as it is jointly indemnified by SUSE Linux and Microsoft.

Flexible, Multi-Protocol Support

Being built from a standard enterprise-quality Linux distribution means the Wyse Enhanced SUSE Linux supports a wide range of protocols and infrastructures straight-out-of-the-box including Citrix, Microsoft, VMware and Ericom PowerTerm InterConnect Terminal Emulation – allowing you to mix-and-match connections from a single image.

That’s Wyse Enhanced SUSE Linux
The only enterprise-quality Linux platform optimized by Wyse for thin client computing.

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Operating Systems Microsoft Windows XP Embedded

Running Microsoft Windows XP Embedded on Wyse thin clients gives IT departments the ability to support Citrix ICA, Microsoft RDP, VMware View, and Ericom PowerTerm WebConnect environments, as well as Ericom PowerTerm Interconnect Terminal Emulation and deploy fully functional desktops with better manageability and significantly lower total cost of ownership than personal computers.

Wyse Enhanced Microsoft Windows XP Embedded-based thin clients can run 32 bit Microsoft Windows applications, either locally or from servers located on the network, with inbuilt flexibility to add and support a host of desktop peripherals with permission from the IT administrator.

Secure write-protected thin desktops

This robust and flexible operating system is further enhanced by the Wyse file-based Write Filter that enables you to protect the file system image from accidental changes or user customization. On rebooting, the thin client simply returns to the required file system image state.

Wyse customized image support.

Wyse technicians are able to help you customize Windows XP Embedded to your exact requirements and create bespoke system images for subsequent enterprise-wide deployment, management and update through Wyse Device Manager.

Contact your Wyse Partner for further details.

Microsoft Windows xp Embedded

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Operating Systems Microsoft Windows Embedded Standard 2009

Running Windows Embedded Standard (WES) on Wyse thin clients gives IT departments the ability to deploy fully functional desktop clients with better manageability and significantly lower total cost of ownership than personal computers.

Wyse WES 2009-based thin clients can run 32 bit Microsoft Windows applications, either locally or from servers, with the inbuilt flexibility to add and support a host of desktop peripherals with permission from the IT administrator.

Full support is provided for RDP 7.0, Citrix ICA 11.2, VMware View 4.0.1, Ericom PowerTerm WebConnect, Ericom PowerTerm InterConnect Terminal Emulation and Internet Explorer 8.

Secure write-protected thin client desktops.

This robust and flexible operating system is further enhanced by the Wyse file-based Write Filter that enables you to protect the files, folder and/or entire volumes from accidental changes or user customization. On rebooting, the thin client simply returns to its original state thus preventing any possible damaging modification either from users or malware.

Wyse customized image support

Wyse technicians are prepared to help you customize Windows Embedded Standard 2009 to your exact requirements in order to create custom-built images for subsequent enterprise-wide deployment, management and update through Wyse Device Manager.

Contact your Wyse Partner for further details.

Windows Embedded Standard 2009

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Hardware specification

Wyse C class family

Processors	VIA C7 1GHz
Chipset	VIA VX855
Memory	C class with Wyse ThinOS (C10LE): 128MB Flash / 512MB RAM DDR2 C class with Windows CE (C30LE): 128MB Flash / 512MB RAM DDR2 C class with SUSE Linux (C50LE): 1GB Flash / 1GB RAM DDR2 C class with Windows XP Embedded (C90LE): 1GB Flash / 1GB RAM DDR2 C class with Windows Embedded Standard 2009 (C90LEW): 2GB Flash / 1GB RAM DDR2 C class with Windows Embedded Standard 7 (C90LE7): 4GB Flash / 2GB RAM DDR2 C class for Wyse WSM (C00LE): 0GB Flash / 1GB RAM DDR2
Maximum memory configuration	Flash up to 4GB RAM up to 2GB
I/O peripheral support	One DVI-I port, DVI to VGA (DB-15) adapter included Dual-video Support with optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) Four USB 2.0 ports (2 on front, 2 on back) Two PS/2 ports One Mic In / One Line Out Enhanced PS/2 Keyboard with Windows Keys (104 keys) and PS/2 Optical mouse included
Networking	10/100/1000 Base-T Gigabit Ethernet Cisco CCX Certified internal 802.11 b/g/n (optional) eliminates theft of external wireless adapters
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Dual monitor supported Single: 1920x1200@60Hz, Color depth: 8, 15, 16, 24 or 32bpp, Two independent full resolution frame buffers Dual: 1920x1200@60Hz, Color Depth: 8, 15, 16, 24 or 32bpp.

Audio	Output: 1/8-inch mini jack, full 16 bit stereo Input: 1/8-inch mini jack, 8 bit microphone
Physical characteristics	Height: 1.38 inches (34mm) Width: 6.94 inches (177mm) Depth: 4.75 inches (121mm)
Shipping Weight	6 lbs. (2.7kg)
Mountings	Horizontal feet Optional VESA mounting bracket
Device Security	Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz. Energy Star® V.5.0 compliant power supply Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: Under 7 Watts
Temperature Range	Operating: 50º to 104º F (10º to 40º C), horizontal and vertical positions Storage: 14º to 140º F (-10º to 60º C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant Energy Star® Compliant
Warranty	Three-year hardware warranty. Visit our web site for WyseChoice extensions and upgrades

Software specifications

Wyse ThinOS 7

HDX Ready client	- HDX Mediastream - Flash (server rendered) - Progressive Display - HDX IntelliCache - Session Reliability - Smartcard authentication and redirection	- HDX Plug-n-Play - HDX Realtime - Seamless Windows - Desktop Restart (XenDesktop) - HDX Broadcast (Branch Repeater) - Access Gateway Support (CSG mode)
RDP 7.x Compatible client	- Up to 32-bit color depth connections - Network Level Authentication (NLA) - WAN Acceleration (with Wyse VDA) - Rich Multimedia (TS MMR)	- Broad USB Support (with Wyse TCX) - Smartcard authentication and redirection - True Multi-Monitor Support - Flash Video support (with TCX)
VMware View 4.x client	- Smartcard Authentication - SecureID Authentication - Multimedia Support (with TCX) - Bi-directional Audio (with TCX) - WAN Acceleration (with VDA)	- SSL Tunneling - Restart VM - Broad USB Support (with TCX) - Flash Video Support (with TCX)
Roaming smart card vendor support	Enables smart card users to not only roam from station to station but also access the same virtual environment support regardless of which station they are connecting from. Wyse ThinOS provides 'out-of-the-box' smart card support for vendors such as Gemalto .NET, Aladdin, and ActiveIdentity – supported within Citrix, VMware and Microsoft environments. Users benefit from secure login and roaming desktop support so they can access their environments from any suitably equipped Wyse thin computing environment. DoD CAC supported.	

Wyse TCX Suite	Wyse TCX Suite virtualization software works with and enhances HDX and RDP protocols featuring: - Multimedia: giving users the power to run rich multimedia files formats - Multi-Display: windows and dialog boxes behave the way users expect across multiple displays. - USB Virtualizer: client attached USB devices are visible to virtual desktops applications, and administrators. - Rich Sound – receive and transmit high quality audio without compromise. - Flash Acceleration: helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.
Management made easy	Fast booting, scalable administration includes simple drag and drop placement of firmware, automatic updates via file server and full integration with Wyse Device Manager.
Security built in	- With no published API Wyse ThinOS is inherently secure from viruses and malware. - Wyse ThinOS includes robust wired and wireless 802.1x support, with secure encryption for simple installation and management. - DoD CAC supported.
Server OS Infrastructure Support	- Citrix XenDesktop - Citrix XenApp / Citrix Presentation Server - Microsoft Windows Terminal Server 2003 / 2008 - VMware View - Support for other leading VDI brokers (Quest Software, Leostream, etc)

Software specifications

Microsoft Windows CE 6.0 WFR3

Firmware features	Microsoft Windows CE 6.0 WFR3 Microsoft Internet Explorer 6.0 resident: HTML, JavaScript, XML, Active X as custom Citrix ICA 10.x resident Citrix Web Interface RDP 6.0 resident VMware View Client Resident CCID compliant Smart Card Readers support Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Jetcet 5.0 Media Player 9.0 Terminal Services Advanced Client (TSAC) ThinPrint ICAVC and Thinprint RDP VNC support in CE 6.0 WinCE 6 eStar B category certification
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 / 2008
Set-up and Configuration	User interface Boot from local flash

Protocol Support	TCP/IP, DNS, DHCP, PXE, PPP, PC/SC and ISO-7816 smart-card support
Management	Remote management, configuration and upgrades through Wyse Device Manager Send messages Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, etc) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting Altiris Deployment via add-on
Wireless support	802.11 b/g/n support with internal wireless adapter IEEE 802.1X WEP, WPA, and WPA-2 wireless authentication Internal WiFi default encryptions: MD5, PAP, TLS Supports USB wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware

Software specifications

Wyse Enhanced SUSE Linux

Firmware features	Wyse Enhanced SUSE Linux based on SLED 11 SP1 Automatic Central Configuration (text-based INI's) Automatic Upgrades (FTP, HTTP, HTTPS) Secure, read-only file system with lockdown abilities Wyse RDP client (RDP7 Compatible) Citrix Online Plugin 11.2 client (ICA 11.2) w/ HDX Mediastream, Plug-n-Play, Realtime, etc. VMware View Open Client compatible with View 4.5 Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect Cisco, Juniper, Nortel, IPSEC VPN Support (Add-ons) Local/Remote Printing support (CUPS, LPR/LPD, Samba, ThinPrint,etc) Web-based applications (Firefox, Flash, JAVA,etc) XDMCP SSH
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Microsoft Windows Terminal Server 2003 & 2008
Keyboard language support	100+ Keyboard Layouts supported locally (English, German, Spanish, French, Italian, Dutch, Chinese, Japanese, Turkish)
Management	Automatic, "hands-off" configuration and upgrading of thin clients without the need for device management software. Optionally, administrators can choose to integrate with Wyse Device Manager (WDM) for more hands-on control: - Complete image upgrade - Wake terminal remotely (Wake-on LAN) - Remote screen shadowing of entire desktop (VNC) - Asset management and reporting

Wireless support	WPA Personal, WPA2 Personal, WPA Enterprise WPA Enterprise Authentication support PEAP/TLS: PAP/MSCHAP/MSCHAPV2 support
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Wyse Virtual Desktop Accelerator Delivers the best user experience for the allocated network bandwidth. Wyse Virtual Desktop Accelerator neutralizes the effects of network latency and packet loss, making cloud client computing more suitable for more remote-site, branch, or field-based users - and boosts RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

Software specifications

Microsoft Windows XP Embedded SP3

Firmware features	Microsoft Windows XP Embedded SP3 Microsoft Internet Explorer 7.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 6.0.xx resident Citrix ICA 11 resident VMware View Client Resident Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Windows Media Player 11, .NET 3.0 SP1
Memory	1GB of flash memory and 1GB of RAM
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 & 2008
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, name, etc.) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting, Asset management SMS Altiris

Wireless support	802.11 b/g/n support with internal wireless adapter WPA-2, WEP, WPA wireless authentication Supports wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware
Plug-ins	Adobe Flash Player Adobe Shockwave
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display: ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization: makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound: enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration: helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

Software specifications

Microsoft Windows Embedded Standard 2009

Firmware features	Microsoft Windows Embedded Standard 2009 Microsoft Internet Explorer 8.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 7.0 resident Citrix Online Plugin 11.2 resident (ICA 11.2) VMware View 4.0.1 client resident Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Windows Media Player 11, .NET 3.5
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 & 2008
Application Framework	.Net 3.5
Security	File Based Write Filter (FBWF) Microsoft Baseline Security Analyzer (MBSA)
Set-up and Configuration	Boot from local flash Microsoft Windows WES7 user interface languages: U.S, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, name, etc.) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting, Asset management SMS / Altiris

Wireless support	802.11 a/b/g/n support with external wireless adapter or internal wireless adapter option* WPA-2, WEP, WPA wireless authentication PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client Supports PC-Card wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware*
Plug-ins	Adobe Flash Player Adobe Shockwave Microsoft Silverlight
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite of virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

*requires hardware support

Software specifications

Microsoft Windows Embedded Standard 7

Firmware features	Microsoft Windows Embedded Standard 7 (WES7) Microsoft Internet Explorer 8.0 resident: HTML, JavaScript, XML, Citrix Web Interface Microsoft RDP 6.1 client (Protocol 7.1 Supported) with RemoteFX technology Citrix Online Plugin 12 resident (ICA 12) with HDX Citrix XenDesktop VMware View 4.6 client resident Ericom PowerTerm InterConnect Terminal Emulation Windows Media Player 12
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Microsoft Windows Terminal Server 2003 & 2008 R2 MSFT VDI
Security	File Based Write Filter (FBWF)
Set-up and Configuration	Boot from local flash Microsoft Windows WES7 user interface languages: U.S, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Auto-configuration with Wyse Configuration Manager Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Terminal configuration (IP information, name, etc.) Reporting, Asset management Simple USB imaging solution with Wyse USB Firmware Tool

Wireless support	802.11 a/b/g/n* support with external wireless adapter or internal wireless adapter option WPA-2, WEP, WPA wireless authentication PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client Supports PC-Card wireless adapters* from: Cisco, D-Link, Netgear, US Robotics, Trendware
Plug-ins	Adobe Flash Player Microsoft Silverlight
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats utilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

*requires hardware support

Software specifications

Wyse WSM

Device Hardware Requirements	Windows XP Pro - Minimum processor speed 800 MHz (1GHz or higher is recommended) - Mind. 256 MB (1GB or higher is recommended) Vista and Windows 7 - Minimum processor speed 1 GHz (1.5GHz or higher is recommended) - Mind. 1 GB (2GB or higher is recommended) - Flash size/local storage – none needed. If the device has flash it can be used as a local cache for offline mode.
Server Requirements	Minimum processor speed 1GHz (3GHz or higher is recommended). Server Operating System: Windows XP Pro SP3, Windows Server 2003, Windows Server 2008 and 2008 R2
Network Requirements	Server Lan Speed = Minimum 100Mbps (1Gbps and up is recommended) Device Lan Speed = Minimum 10Mbps (100 Mbps full duplex is recommended)
Operating Systems Supported	Microsoft Windows XP Microsoft Windows Vista Microsoft Windows 7
Databases supported	Microsoft SQL 2005 and 2008 (Server and Express Editions)
Built-in high Availability	- Database availability using SQL clustering. - Built-in server high availability through WSM Server Grouping feature. - Server to Server Fail-over Capability.
Fast and Easy Installation	- Installing Wyse WSM is simply a matter of running a single, graphical installer. - The installer checks for all the prerequisite components before installation.

Web-based Admin Console	- Allows IT administrators to access Wyse WSM from any browser. - Control the entire installation from a central location. - Dramatically simplifies administration, saving IT time and user downtime. - Wizards to guide the user through specific tasks.
Operation System and Application Imaging Tools	- Imaging tool simplifies the process of creating an OS image for the specific hardware configuration and an application image for all hardware configurations. - All OS and application images are ready for deployment once created, no further modifications needed.
Application Subscription Management	Use flexible application deployment methods: - Auto-subscribed applications are ready for use when user logs in for the first time. - Manual subscriptions allow users the flexibility to use applications only when needed. - Mandatory subscriptions that cannot be unsubscribed by users.
Protected System Drive	- Allows administrators to protect the system drive from end user initiated updates. - Prevents changes to operating system drive except by administrators, helping stop viruses, spyware, or malware from infecting the device.

Software specifications continued

Wyse WSM continued

Operating System Streaming	- Wyse WSM provides an on-demand operating system to Wyse cloud PCs or diskless PCs on the network. - Innovative technology makes each Wyse cloud PC or diskless PC think there is a virtual hard disk attached to the device. - Only those bits needed for the normal device operation are sent in order to reduce network traffic. - Operating-system images can be shared across multiple devices, making management easier.
Flexible Boot Options	- Each device can boot from four operating system image assignments. - Administrators can assign or let users choose which operating system they want to boot. - First disk mode for the default OS image to boot from every time device starts up. - First available mode to boot from the first responding server in order to balance loads.
Application License Management and Metering	- Wyse WSM provides the infrastructure to collect information about the application license-usage across the enterprise. This information allows IT organizations to save money associated with application licenses. - Licenses can be stored for all the applications deployed. It also enforces license compliance. - Types of licenses that can be controlled include: 1) Time-based licenses (valid for X days). 2) Number of concurrent users.

Modes of Operation	Wyse WSM allows administrators to choose modes of operation for the OS: - Private Mode – for administration of operating system images. - Shared Mode – has two additional modes of normal operation: 1) Volatile – returns desktop to pristine state after a device reboot. 2) Persistent – remembers any user settings after a device reboot.
Remote Servers for Scalability	- IT administrators can deploy multiple remote servers to improve scalability of the overall solution. - Central management of remote servers allows easy deployment of the solution across different geographic locations.
Comprehensive Reporting	- Easy ad-hoc reporting based on flexible parameters. - Reports are delivered through HTML, giving you the flexibility to output in any form. - License-metering reports can be used to make proactive purchasing decisions. - License-audit reports can be used for compliance purposes.
Desktop Compatibility	Wyse WSM works with Wyse C00LE, V00LE, R00L/E, Z00D and X00C family cloud PCs as well as with existing thin clients, diskless PCs and virtual-desktop systems.

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Wyse® C class™

Small size, Big performance

WYSE

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse C class cloud clients

High performance

Inside every compact, Wyse C class lies a punchy VIA C7 1 GHz processor and an advanced hardware graphics accelerator delivering rich multimedia and video playback up to 1080p HD resolution.

Outside, you'll find advanced DVI-I display connectivity for one or two displays, four free USB 2.0 ports, PS/2 ports for keyboard and mouse, gigabit Ethernet and optional WiFi (b/g/n) support.

Fits around you

On the desk or out of sight; Wyse C class fits around you. With a monorail mount that lets you choose how and where to fit it: horizontally, vertically, directly to walls, under desks... and even fitted discretely to the rear of standard desktop displays.

Compact, clever, capable

Creating highly productive, fully functional and compact virtual desktops has never been easier. Each Wyse C class features full support for the Wyse TCX™ Suite of user enhancements – that includes multiple display support, multimedia playback, rich bi-directional audio, Flash acceleration and USB peripheral connectivity – and Wyse WSM™ Cloud PC Provisioning software delivering a rich PC experience.

Cool performance. Cooler workspaces

Designing these levels of high processing and graphics performance into such a compact space hasn't been at the expense of energy consumption and heat emissions either. Each Wyse C class draws under 7 watts of power - creating cooler working environments – in every respect.

Choice of operating systems

Seven models are available featuring Wyse ThinOS, Windows CE, Windows XP Embedded & Windows Embedded Standard 2009 and 7 operating systems, SUSE Linux Enterprise thin client and Wyse WSM.

At a glance

Performance VIA C7 1 GHz processor and advanced hardware graphics accelerator for rich multimedia and video playback up to 1080p HD resolution.

Connectivity Advanced DVI-I display connectivity for one or two displays, four free USB 2.0 ports, PS/2 ports for keyboard and mouse, gigabit Ethernet and optional WiFi (b/g/n) support.

Mounting options Horizontal standing desktop feet. Can be mounted to walls and backs of monitors.

Green Draws under 7 watts of power when connected to one keyboard, PS/2 mouse and monitor.

Management Features Wyse Device Manager software (workgroup edition).

Virtualization Delivers the best user experience through full support for the Wyse TCX Suite of virtualized desktop enhancement software and Wyse VDA - acceleration software that reduces the effects of network latency.

Wyse WSM provisioning software Provides compact, energy efficient and productive cloud PCs with all the dynamic user experience of PCs – without their risks and complexities.

Wyse ThinOS Featuring the blisteringly fast Wyse ThinOS designed for high security environments.

SUSE Linux Enterprise thin client The only enterprise-quality Linux that's optimized for cloud client computing.

Microsoft CE 6 Componentized real-time operating system for small footprint devices.

Microsoft Windows XP Embedded Windows XP Embedded - runs thousands of existing Windows applications and drivers on thin clients.

Microsoft Windows Embedded Standard 2009 and 7 Take advantage of the power of Windows Embedded Standard 2009 and the rich user experience of Windows Embedded Standard 7.

Specification

Processors	VIA C7 1GHz
Chipset	VIA VX855
Memory	C class with Wyse ThinOS (C10LE): 128MB Flash / 512MB RAM DDR2 C class with Windows CE (C30LE): 128MB Flash / 512MB RAM DDR2 C class with SUSE Linux (C50LE): 1GB Flash / 1GB RAM DDR2 C class with Windows XP Embedded (C90LE): 1GB Flash / 1GB RAM DDR2 C class with Windows Embedded Standard 2009 (C90LEW): 2GB Flash / 1GB RAM DDR2 C class with Windows Embedded Standard 7 (C90LE7): 4GB Flash / 2 GB RAM DDR C class cloud PC for Wyse WSM (C00LE): 0GB Flash / 1GB RAM DDR2
Maximum memory configuration	Flash up to 4GB / RAM up to 2GB
I/O peripheral support	One DVI-I port, DVI to VGA (DB-15) adapter included Dual-video Support with optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) Four USB 2.0 ports (2 on front, 2 on back) Two PS/2 ports One Mic In One Line Out Enhanced PS/2 Keyboard with Windows Keys (104 keys) and PS/2 Optical mouse included
Networking	10/100/1000 Base-T Gigabit Ethernet Cisco CCX Certified internal 802.11 b/g/n (optional) eliminates theft of external wireless adapters*
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Dual monitor supported Single: 1920x1200@60Hz, Color depth: 8, 15, 16, 24 or 32bpp, Two independent full resolution frame buffers Dual: 1920x1200@60Hz, Color Depth: 8, 15, 16, 24 or 32bpp.
Audio	Output: 1/8-inch mini jack, full 16 bit stereo Input: 1/8-inch mini jack, 8 bit microphone
Physical characteristics	Height: 1.38 inches (34mm) Width: 6.94 inches (177mm) Depth: 4.75 inches (121mm)
Shipping Weight	6 lbs. (2.7kg)
Mountings	Horizontal feet Optional VESA mounting bracket
Device Security	Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz. Energy Star® V.5.0 compliant power supply Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: Under 7 Watts
Temperature Range	Operating: 50º to 104º F (10º to 40º C), horizontal and vertical positions Storage: 14º to 140º F (-10º to 60º C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant Energy Star® Compliant
Warranty	Three-year hardware warranty Visit our web site for WyseChoice extensions and upgrades

*C10LE supports 802.11 b/g as a factory option

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